

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
18 September 2003 (18.09.2003)

PCT

(10) International Publication Number
WO 03/076339 A1

- (51) International Patent Classification⁷: **C01G 53/04**
- (21) International Application Number: **PCT/US03/06460**
- (22) International Filing Date: **4 March 2003 (04.03.2003)**
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data:
10/086,807 4 March 2002 (04.03.2002) **US**
- (63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:
US 10/086,807 (CON)
Filed on 4 March 2002 (04.03.2002)
- (71) Applicant (for all designated States except US): **THE GILLETTE COMPANY** [US/US]; Prudential Tower Building, Boston, MA 02199 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **CHRISTIAN, Paul, A.** [US/US]; 44/1/2 Walker Street, Norton, MA 02766 (US). **MEZINI, Tatjana** [US/US]; 71 Fells Avenue, Medford, MA 02155 (US).
- (74) Agents: **GALLOWAY, Peter, D.** et al.; Ladas & Parry, 26 West 61st Street, New York, NY 10023 (US).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: **PREPARATION OF NICKEL OXYHYDROXIDE USING OZONE**

(57) Abstract: Nickel oxyhydroxide can be prepared by exposing a mixture of a nickel hydroxide and a hydroxide salt to ozone. The nickel oxyhydroxide is suitable for use in the cathode of a battery.

WO 03/076339 A1